

WEST Search History

DATE: Wednesday, September 20, 2006

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,EPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L15	L14 and l1	1
<input type="checkbox"/>	L14	(548/335.1)![CCLS]	511
<input type="checkbox"/>	L13	(435/6)![CCLS]	36324
<input type="checkbox"/>	L12	L11 and l1	10
<input type="checkbox"/>	L11	L10 and l5	18
<input type="checkbox"/>	L10	apoptosis or cell death	46411
<input type="checkbox"/>	L9	L8 and l1	14
<input type="checkbox"/>	L8	imidazolyl disulfid\$	24
<input type="checkbox"/>	L7	imidazolyl	39407
<input type="checkbox"/>	L6	L5 and L1	10
<input type="checkbox"/>	L5	powis.in.	78
<input type="checkbox"/>	L4	L3 not @ay>1995	5
<input type="checkbox"/>	L3	L2 and antibod\$	97
<input type="checkbox"/>	L2	L1.ab.	179
<input type="checkbox"/>	L1	thioredoxin	6843

END OF SEARCH HISTORY

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NEWS	4	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	5	MAY 11	KOREAPAT updates resume
NEWS	6	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	7	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	8	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	9	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	11	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	12	JUL 11	CHEMSAFE reloaded and enhanced
NEWS	13	JUL 14	FSTA enhanced with Japanese patents
NEWS	14	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	17	AUG 30	CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS	18	SEP 11	CA/CAPLUS enhanced with more pre-1907 records
NEWS EXPRESS	JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.	
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:07:48 ON 20 SEP 2006

=> file caplus

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ENTRY	SESSION

FULL ESTIMATED COST

0.21

0.21

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FILE LAST UPDATED: 19 Sep 2006 (20060919/ED)

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```
=> s thioredoxin
      5812 THIOREDOXIN
      3679 THIOREDOXINS
L1      6388 THIOREDOXIN
          (THIOREDOXIN OR THIOREDOXINS)
```

```
=> s cancer? or tumor? or neoplas?
      306312 CANCER?
      441863 TUMOR?
      463561 NEOPLAS?
L2      732005 CANCER? OR TUMOR? OR NEOPLAS?
```

```
=> s l1 (l) l2
L3      589 L1 (L) L2
```

```
=> s l3 not py>1995
      10304536 PY>1995
L4      49 L3 NOT PY>1995
```

```
=> s imidazolyl?
L5      10560 IMIDAZOLYL?
```

```
=> s l5 and l4
L6      1 L5 AND L4
```

```
=> d ibib
```

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:523489 CAPLUS

DOCUMENT NUMBER: 123:47459

TITLE: The thioredoxin/thioredoxin reductase redox system and control of cell growth

AUTHOR(S): Powis, Garth; Oblong, John E.; Gasdaska, Pamela Y.; Berggren, Margareta; Hill, Simon R.; Kirkpatrick, D. Lynn

CORPORATE SOURCE: Arizona Cancer Center, Tucson, AZ, 85724, USA

SOURCE: Oncology Research (1994), 6(10-11), 539-44

PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
CODEN: ONREE8; ISSN: 0965-0407

=> d ibib kwic

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:523489 CAPLUS
DOCUMENT NUMBER: 123:47459
TITLE: The thioredoxin/thioredoxin reductase redox system and control of cell growth
AUTHOR(S): Powis, Garth; Oblong, John E.; Gasdaska, Pamela Y.; Berggren, Margareta; Hill, Simon R.; Kirkpatrick, D. Lynn
CORPORATE SOURCE: Arizona Cancer Center, Tucson, AZ, 85724, USA
SOURCE: Oncology Research (1994), 6(10-11), 539-44
CODEN: ONREE8; ISSN: 0965-0407
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Thioredoxin is a redox protein that is important for a variety of intracellular functions, possibly including regulation of transcription factor activity. We have shown that human thioredoxin has the same predicted amino acid sequence as adult T-cell-derived leukemic cell growth factor. Recombinant human thioredoxin stimulates the proliferation of Swiss murine 3T3 fibroblasts with an EC50 of 100 nM and the proliferation of a number of human cancer cells. Site-directed mutagenesis of the active-site cysteines of thioredoxin has shown that redox activity is necessary for the stimulation of cell proliferation. Added 125I-thioredoxin is taken up by cells in culture and could have intracellular action. A series of alkyl 2-imidazolyl disulfides have been shown to be competitive inhibitors of human thioredoxin reductase with Ki values of 3.3 to 8.6 μ M. The compds. inhibited Swiss 3T3 serum-dependent proliferation with IC50 values of 2.0 to 4.0 μ M, and one compound inhibited Swiss 3T3 thioredoxin-dependent proliferation with an IC50 value of 60 nM.

IT Cell proliferation
Neoplasm
Redox reaction
(thioredoxin/thioredoxin reductase redox system and control of cell growth)